

Abstract

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A device for processing a signal (i) derived from a particular detector, the device including an integrator for measuring the total charge transported by an input signal (i_2) feeding the integrator for a predetermined time interval. The device further includes a plurality of units for receiving detector signal (i) derived from the particle detector, reducing the background noise present in the detector signal (i), and producing the input signal (i_2). The invention is applicable to various devices and appliances for measuring flow of particles such as photons.